

PROFESSIONAL QUALIFICATIONS

Scott E. Perkins, P.E. - Senior Consultant

Registrations

Professional Engineer Virginia No. 0402 038504
Professional Engineer West Virginia No. 16075

Fields of Expertise

Project Management
Environmental Regulations (RCRA/CERCLA/NEPA/CWA/SDWA/EPCRA/FIFRA/TSCA)
Environmental Liability Identification and Management in Real Estate and Corporate Mergers/Acquisitions
Web-Based Technology for Environmental Management and Compliance
Contaminated Site Assessment and Corrective Action
Environmental Program Development and Environmental Management Systems (including ISO 14001)
Virginia Voluntary Remediation Program
Stormwater Management and Erosion Control
Environmental Response and Remediation
Drinking Water and Wastewater Systems Monitoring and Management

Experience Summary

Mr. Perkins is a registered Professional Engineer in Virginia and West Virginia. He has over 21 years of experience in numerous facets of environmental engineering and consulting. He has provided expert witness testimony in significant and complex civil and criminal cases and negotiated on behalf of clients with state and federal authorities faced with civil and criminal charges. He has managed numerous regulatory compliance audits, contaminated site assessments and cleanups, environmental engineering studies and other environmental projects. He routinely aids clients in identifying environmental liabilities and developing and implementing cost effective and practical solutions. He has assisted dozens of organizations with developing and implementing Environmental Management Systems under the ISO 14001 standard. Mr. Perkins has developed and implemented large-scale multi-media monitoring programs and evaluated industrial and municipal wastewater treatment systems and potable water treatment and distribution systems. He has led the development of several large-scale environmental management programs for clients and has developed stormwater management programs for industrial, municipal and military clients. Mr. Perkins has extensive experience negotiating with federal, state and local regulatory agencies and has made presentations at numerous public meetings on behalf of clients.

Education/Credentials

M.S. Civil/Environmental Engineering, University of Colorado, 1994
B.S.E. Civil/Environmental Engineering, Duke University, 1990 (graduation with distinction)
Attended and participated in numerous federal, state, and private seminars to update various environmental regulatory programs

Key Projects

Environmental Risk Management

Identified corporate environmental liabilities, including quantification and proposed resolutions, in merger of two large national heavy industrial corporations.

Provided liability quantification services to a regional corporation expanding their area of service.

Evaluated overall performance of a large national retail corporation's environmental program with an emphasis on risk management and allocation of resources.

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RCRA

Supervised regulatory compliance aspects of the operations and maintenance of a large federally-owned, RCRA-regulated wastepile and an inactive surface impoundment. Participated in developing the closure design for both the wastepile and the surface impoundment and negotiated on behalf of client with regulators to obtain favorable closure criteria.

Conducted over 75 RCRA compliance audits at federal facilities around the U.S. Assisted facilities with developing and implementing response action plans to address non-conformances.

Developed and submitted RCRA Annual TSDF and RCRA Biennial Reports for a major federal facility over a 5-year period.

Conducted RCRA training seminars across the U.S. for hazardous waste generators and RCRA-permitted facilities.

Developed programmatic approach for site remediation and closure at a major federal RCRA-permitted facility. Approach balanced various land-use scenarios with cost and technical considerations.

Managed the full evaluation of a major urban government's wastestream classification program.

A leader in the application of RCRA requirements to organizations with ordnance and explosives issues.

CERCLA

Provided project management-level oversight for over 50 remedy implementation projects at a major cleanup site under CERCLA.

Facilitated interaction with the public and with regulatory agencies at a multi-billion dollar CERCLA cleanup.

Project manager for several CERCLA response actions.

Managed a multi-party CERCLA 5-year review project. Team included 20 stakeholders consisting of site managers and regulators.

Drinking Water and Wastewater Systems Management

Conducted compliance and operational/design assessments and design reviews at potable drinking water, municipal wastewater, and industrial wastewater systems across the country.

Project manager tasked with evaluating and re-engineering municipal reverse osmosis drinking water system confronted with significant lead levels. Successfully brought system into full compliance with the USEPA's Lead and Copper Rule by achieving an 80% reduction in dissolved lead levels.

Developed and managed program evaluating potable water supplies at U.S. research stations throughout Antarctica.

Environmental Program Development and Management

Developed and implemented an environmental management program at one of the largest environmental cleanup sites in the country. Included were an environmental compliance intranet site, intensive inspection program, and various web-based databases facilitating compliance and project management.

Led the design and implementation of a multi-media environmental monitoring program targeting the nation's impacts on Antarctica. This was followed by the subsequent hiring of a team of field specialists to cleanup sites with significant contaminant levels.

Assisted large federal and municipal organizations with developing and implementing ISO 14001-compliant Environmental Management Systems.

Managed the development and oversaw the implementation of a complex database to track material throughput and waste disposal at a major federal facility tasked by the Department of Defense with chemical agent disposal testing.

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Other

Led the development of Internet-based environmental management systems and virtual data rooms for industrial, federal and municipal clients.

Conducted numerous environmental assessments under the National Environmental Policy Act (NEPA).

Conducted numerous Phase I and Phase II Environmental Site Assessments in compliance with ASTM protocols.

Trained environmental Emergency Response Teams across the country.

Performed EPCRA reporting for large facilities.

Publications & Presentations

Perkins, S., Davis, J., Schmuck, J., Eason, S., "Ordnance and Explosives Emergency Response at a CERCLA Site, an Environmental Compliance Perspective," *Federal Facilities Environmental Journal* (Summer 2002).

Perkins, S., Schmuck, J., "Risk-Based Approach to Documenting Agent Decontamination Levels in Soil and Structural Debris," presented at the West Coast Contaminated Soils Conference, San Diego, CA (April 2003).

Perkins, S., Davis, J., Schmuck, J., Eason, S., "Ordnance and Explosives Emergency Response at a CERCLA Site," published in the proceedings of the National Defense Industrial Association 28th Environmental Symposium and Exhibition, Charleston, SC (April 2002).

Perkins, S., Snowwhite, L., "The CERCLA Five-Year Review Process – Lessons Learned at Rocky Mountain Arsenal," *Federal Facilities Environmental Journal* (Autumn 2001).

Perkins, S., "The Logistical Challenge of Evaluating a Complex Environmental Cleanup Site – Rocky Mountain Arsenal's First CERCLA Five-Year Review," published in the proceedings of the Fourth Tri-Service Environmental Technology Symposium, San Diego, CA (June 2001).

Perkins, S., "Rocky Mountain Arsenal's First CERCLA Five-Year Review – Lessons Learned," published in the proceedings of the National Defense Industrial Association 27th Environmental Symposium and Exhibition, Austin, TX (April 2001).

Perkins, S., Graber, C., "Mitigation of Elevated Lead Levels in Drinking Water at McMurdo Station, Antarctica," *Federal Facilities Environmental Journal* (Spring 2001).

Perkins, S., Huttenga, A., et al., "Web-Based Tools for Environmental Management," *Federal Facilities Environmental Journal* (Spring 2000).

Perkins, S., "Automating the Management of Environmental Compliance Reporting: Making the Complex Simple," published in the proceedings of the National Defense Industrial Association 26th Environmental Symposium and Exhibition, Long Beach, CA (March 2000).

Perkins, S., Smith, K., Whorton, M., Williams, G., "Managing Environmental Information in the Age of Outsourcing," published in the proceedings of the National Defense Industrial Association 25th Environmental Symposium and Exhibition, Denver, CO (March 1999).

Perkins, S., "Environmental Monitoring in Antarctica," published in the proceedings of the 4th International Conference for On Site Analysis, Orlando, FL (January 1996).

Perkins, S., Mikesell, D., "Screening Contaminated Samples for Petroleum Contamination Using Semi-Quantitative Enzyme Immunoassay Technology," published in the proceedings of the 4th International Conference for On Site Analysis, Orlando, FL (January 1996).